

FAY, SHARPE, FAGAN, MINNICH & MCKEE, LLP

PATENT TRADEMARK AND COPYRIGHT LAW

1100 SUPERIOR AVENUE

SEVENTH FLOOR

CLEVELAND, OHIO 44114-2579

TELEPHONE (216) 861-5582

FAX (216) 241-1666 AND (216) 241-5147

RECEIVED
CENTRAL FAX CENTER

NOV 17 2005

DATE: November 17, 2005

TO: U.S. Patent and Trademark Office

ATTENTION: Examiner Ing-Hour Lin

FACSIMILE NO.: ~~1-703-872-9306~~ ~~800-786-9199~~ 571-273-8300

FROM: Jay F. Moldovanyi

RE: U.S. Serial No. 10/614.601

Our Reference No.: GISZ 2 00031

Total number of pages (including this cover sheet): 6

Please call us immediately at (216) 861-5582 if the telecopy you receive is incomplete or illegible. Our facsimile numbers are (216) 241-1666 and (216) 241-5147.

The documents accompanying this facsimile transmission include information from the firm of Fay, Sharpe, Fagan, Minnich & McKee, LLP that might be legally privileged and/or confidential. The information is intended for the use of only the individual or entity named on this cover sheet. If you are not the intended recipient, any disclosure, copying, or distribution of these documents, or the taking of any action based on the contents of this transmission, is prohibited. If you have received this transmission in error, these documents should be returned to this firm as soon as possible, and we ask that you notify us immediately by telephone so we can arrange for their return to us without cost to you.

NOV 17 2005

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S) : John Grassi et al.
TITLE : MOLD-REMOVAL CASTING
METHOD AND APPARATUS
APPLICATION NO. : 10/614,601
FILED : July 7, 2003
CONFIRMATION NO. : 7816
EXAMINER : Ing-Hour Lin
ART UNIT : 1725
LAST OFFICE ACTION : April 18, 2005
ATTORNEY DOCKET NO. : GISZ 2 00031
Cleveland, OH 44114
November 17, 2005

SECOND SUPPLEMENTAL RESPONSE

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Further to Amendment A which was filed on August 17, 2005 and the Supplemental Response which was filed on September 9, 2005, applicant takes this opportunity to submit an additional Declaration Under 37 C.F.R. § 1.132.

This is a Declaration by Douglas Trinowski who is the Vice President - Technical of HA International LLC of Westmont, Illinois. HA International (HA) is a joint venture between Huttenes-Albertus GmbH of Germany and the successor to Borden Chemical, Inc., Hexion Specialty Chemicals, Inc.

U.S. Patent No. 5,641,015 of Challand, which was the base reference applied against all of the pending claims, is assigned to Borden (UK) Ltd. Therefore, Mr. Trinowski is well acquainted with the disclosure in the Challand patent.

As Mr. Trinowski states in his declaration, the foundry molds manufactured using resins supplied by Borden, and its successor HA International, have never been used in a manner claimed in the instant application, namely, such that at least a portion of the mold is removed before the molten metal in the mold has completely solidified (see paragraphs 4 and 5 of the Trinowski Declaration).


Moreover, Mr. Trinowski states that in his experience in the foundry mold making industry, he has never seen a casting process such as is recited in the instant application's claims, namely, in which the mold is sprayed with a solvent to decompose at least a portion of the mold before the molten metal in the mold has completely solidified (see paragraph 7 of the Trinowski Declaration).

Consideration of this Declaration is earnestly solicited.

Respectfully submitted,

FAY, SHARPE, FAGAN,
MINNICH & MCKEE, LLP

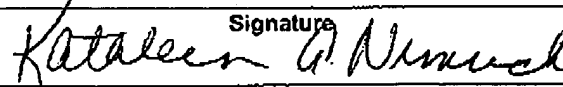
November 17, 2005
Date


Jay F. Moldovanyi, Reg. No. 29,678
1100 Superior Avenue, Seventh Floor
Cleveland, OH 44114-2579
216-861-5582

CERTIFICATE OF MAILING

Under 37 C.F.R. § 1.8, I certify that this Amendment is being

- ☐ deposited with the United States Postal Service as First Class mail, addressed to: MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.
- ☒ transmitted via facsimile (Facsimile No. 1-703-872-9306) in accordance with 37 C.F.R. § 1.8 on the date indicated below.
- ☐ deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated below and is addressed to: MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail Label No.:	Signature 
Date November 17, 2005	Printed Name Kathleen A. Nimrichter

N:\GISZ\200031\USKAN0005110\001.doc